

New York State Department of Health, New York State Cancer Registry

Table 7a. Cancer Incidence among Children and Adolescents, 1999-2003

New York State

Type of Cancer	Ages 0-4 years		Ages 5-9 years		Ages 10-14 years		Ages 15-19 years		Combined Ages 0-14 years			Combined Ages 0-19 years		
	Average Annual Cases	Rate per 100,000	Average Annual Cases	Rate per 100,000	95% CI (+/-)	Average Annual Cases	Rate per 100,000	95% CI (+/-)						
All Invasive Malignant Tumors	281.6	22.9	156.6	12.0	183.0	13.7	272.2	21.3	621.2	16.1	0.6	893.4	17.4	0.5
Leukemias	96.4	7.8	50.6	3.9	34.6	2.6	35.8	2.8	181.6	4.7	0.3	217.4	4.2	0.3
Non Hodgkin lymphomas	11.6	0.9	11.8	0.9	15.6	1.2	24.6	1.9	39.0	1.0	0.1	63.6	1.2	0.1
Hodgkin lymphoma	1.2	0.1	4.8	0.4	19.6	1.5	53.0	4.1	25.6	0.7	0.1	78.6	1.5	0.2
Malignant central nervous system tumors	49.4	4.0	45.6	3.5	39.8	3.0	29.8	2.3	134.8	3.5	0.3	164.6	3.2	0.2
Sympathetic nervous system tumors	36.4	3.0	4.2	0.3	1.4	0.1	1.8	0.1	42.0	1.1	0.1	43.8	0.9	0.1
Retinoblastoma	21.4	1.7	1.2	0.1	0.6	0.0	0.0	0.0	23.2	0.6	0.1	23.2	0.5	0.1
Renal tumors	28.2	2.3	6.8	0.5	1.6	0.1	1.6	0.1	36.6	1.0	0.1	38.2	0.7	0.1
Hepatic tumors	9.8	0.8	0.8	0.1	0.4	0.0	1.2	0.1	11.0	0.3	0.1	12.2	0.2	0.1
Malignant bone tumors	1.6	0.1	10.8	0.8	23.6	1.8	19.8	1.5	36.0	0.9	0.1	55.8	1.1	0.1
Soft-tissue sarcomas	13.8	1.1	13.2	1.0	14.6	1.1	22.2	1.7	41.6	1.1	0.1	63.8	1.2	0.1
Germ-cell, trophoblastic, gonadal neoplasms	8.0	0.7	3.4	0.3	10.4	0.8	30.2	2.4	21.8	0.6	0.1	52.0	1.0	0.1
Carcinomas and other epithelial neoplasms	2.8	0.2	3.0	0.2	19.6	1.5	51.0	4.0	25.4	0.7	0.1	76.4	1.5	0.1
Other and unspecified malignant neoplasms	1.0	0.1	0.4	0.0	1.2	0.1	1.0	0.1	2.6	0.1	0.0	3.6	0.1	0.0

Rates are per 100,000 children. Rates for 0-14 and 0-19 year age intervals are age-adjusted within these intervals to the 2000 US standard population, with 95% confidence intervals. Incidence data provisional, January 2006. Rates based on fewer than 4 cases per year are unstable and should be used with caution.

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New York City

Type of Cancer	Ages 0-4 years		Ages 5-9 years		Ages 10-14 years		Ages 15-19 years		Combined Ages 0-14 years			Combined Ages 0-19 years		
	Average Annual Cases	Rate per 100,000	Average Annual Cases	Rate per 100,000	95% CI (+/-)	Average Annual Cases	Rate per 100,000	95% CI (+/-)						
All Invasive Malignant Tumors	121.4	22.1	62.0	11.4	74.8	14.0	103.8	20.7	258.2	15.7	0.9	362.0	17.0	0.8
Leukemias	41.0	7.5	19.2	3.5	16.6	3.1	14.2	2.8	76.8	4.7	0.5	91.0	4.2	0.4
Non Hodgkin lymphomas	5.8	1.1	3.4	0.6	6.6	1.2	13.0	2.6	15.8	1.0	0.2	28.8	1.4	0.2
Hodgkin lymphoma	0.8	0.1	1.8	0.3	7.8	1.5	18.2	3.6	10.4	0.7	0.2	28.6	1.4	0.2
Malignant central nervous system tumors	20.2	3.7	16.8	3.1	14.4	2.7	10.4	2.1	51.4	3.2	0.4	61.8	2.9	0.3
Sympathetic nervous system tumors	14.4	2.6	1.6	0.3	0.6	0.1	1.0	0.2	16.6	1.0	0.2	17.6	0.8	0.2
Retinoblastoma	9.8	1.8	0.8	0.1	0.2	0.0	0.0	0.0	10.8	0.6	0.2	10.8	0.5	0.1
Renal tumors	13.2	2.4	3.0	0.6	1.2	0.2	1.0	0.2	17.4	1.0	0.2	18.4	0.8	0.2
Hepatic tumors	4.2	0.8	0.6	0.1	0.0	0.0	1.2	0.2	4.8	0.3	0.1	6.0	0.3	0.1
Malignant bone tumors	1.0	0.2	5.2	1.0	9.8	1.8	8.0	1.6	16.0	1.0	0.2	24.0	1.2	0.2
Soft-tissue sarcomas	5.0	0.9	6.2	1.1	6.2	1.2	9.4	1.9	17.4	1.1	0.2	26.8	1.3	0.2
Germ-cell, trophoblastic, gonadal neoplasms	3.6	0.7	1.8	0.3	4.6	0.9	10.8	2.2	10.0	0.6	0.2	20.8	1.0	0.2
Carcinomas and other epithelial neoplasms	1.8	0.3	1.6	0.3	6.6	1.2	16.6	3.3	10.0	0.6	0.2	26.6	1.3	0.2
Other and unspecified malignant neoplasms	0.6	0.1	0.0	0.0	0.2	0.0	0.0	0.0	0.8	0.0	0.0	0.8	0.0	0.0

Rates are per 100,000 children. Rates for 0-14 and 0-19 year age intervals are age-adjusted within these intervals to the 2000 US standard population, with 95% confidence intervals. Incidence data provisional, January 2006. Rates based on fewer than 4 cases per year are unstable and should be used with caution.

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Table 7a. Cancer Incidence among Children and Adolescents, 1999-2003

New York State Excl NYC

Type of Cancer	Ages 0-4 years		Ages 5-9 years		Ages 10-14 years		Ages 15-19 years		Combined Ages 0-14 years			Combined Ages 0-19 years		
	Average Annual Cases	Rate per 100,000	Average Annual Cases	Rate per 100,000	95% CI (+/-)	Average Annual Cases	Rate per 100,000	95% CI (+/-)						
All Invasive Malignant Tumors	160.2	23.5	94.6	12.5	108.2	13.5	168.4	21.6	363.0	16.4	0.8	531.4	17.7	0.7
Leukemias	55.4	8.1	31.4	4.1	18.0	2.3	21.6	2.8	104.8	4.8	0.4	126.4	4.3	0.3
Non Hodgkin lymphomas	5.8	0.9	8.4	1.1	9.0	1.1	11.6	1.5	23.2	1.0	0.2	34.8	1.1	0.2
Hodgkin lymphoma	0.4	0.1	3.0	0.4	11.8	1.5	34.8	4.5	15.2	0.7	0.1	50.0	1.6	0.2
Malignant central nervous system tumors	29.2	4.3	28.8	3.8	25.4	3.2	19.4	2.5	83.4	3.7	0.4	102.8	3.4	0.3
Sympathetic nervous system tumors	22.0	3.2	2.6	0.3	0.8	0.1	0.8	0.1	25.4	1.2	0.2	26.2	0.9	0.2
Retinoblastoma	11.6	1.7	0.4	0.1	0.4	0.1	0.0	0.0	12.4	0.6	0.1	12.4	0.4	0.1
Renal tumors	15.0	2.2	3.8	0.5	0.4	0.1	0.6	0.1	19.2	0.9	0.2	19.8	0.7	0.1
Hepatic tumors	5.6	0.8	0.2	0.0	0.4	0.1	0.0	0.0	6.2	0.3	0.1	6.2	0.2	0.1
Malignant bone tumors	0.6	0.1	5.6	0.7	13.8	1.7	11.8	1.5	20.0	0.9	0.2	31.8	1.0	0.2
Soft-tissue sarcomas	8.8	1.3	7.0	0.9	8.4	1.1	12.8	1.6	24.2	1.1	0.2	37.0	1.2	0.2
Germ-cell, trophoblastic, gonadal neoplasms	4.4	0.6	1.6	0.2	5.8	0.7	19.4	2.5	11.8	0.5	0.1	31.2	1.0	0.2
Carcinomas and other epithelial neoplasms	1.0	0.1	1.4	0.2	13.0	1.6	34.4	4.4	15.4	0.7	0.1	49.8	1.6	0.2
Other and unspecified malignant neoplasms	0.4	0.1	0.4	0.1	1.0	0.1	1.0	0.1	1.8	0.1	0.1	2.8	0.1	0.0

Rates are per 100,000 children. Rates for 0-14 and 0-19 year age intervals are age-adjusted within these intervals to the 2000 US standard population, with 95% confidence intervals. Incidence data provisional, January 2006. Rates based on fewer than 4 cases per year are unstable and should be used with caution.

New York State Department of Health, New York State Cancer Registry

Table 7b. Cancer Mortality among Children and Adolescents, 1999-2003

New York State

Type of Cancer	Ages 0-4 years		Ages 5-9 years		Ages 10-14 years		Ages 15-19 years		Combined			Combined		
	Average Annual Deaths	Rate per 100,000	95% CI (+/-)	Average Annual Deaths	Rate per 100,000	95% CI (+/-)								
All Invasive Malignant Tumors	38.4	3.1	29.0	2.2	32.0	2.4	40.4	3.2	99.4	2.6	0.2	139.8	2.7	0.2
Bones & joints	0.4	0.0	1.8	0.1	2.6	0.2	6.6	0.5	4.8	0.1	0.0	11.4	0.2	0.1
Soft tissue (including heart)	2.2	0.2	2.0	0.2	2.4	0.2	3.8	0.3	6.6	0.2	0.1	10.4	0.2	0.1
Kidney and renal pelvis	0.4	0.0	1.8	0.1	0.8	0.1	0.6	0.0	3.0	0.1	0.0	3.6	0.1	0.0
Malignant brain / nervous system	7.4	0.6	7.8	0.6	8.6	0.6	5.2	0.4	23.8	0.6	0.1	29.0	0.6	0.1
Hodgkin lymphoma	0.0	0.0	0.2	0.0	0.2	0.0	1.0	0.1	0.4	0.0	0.0	1.4	0.0	0.0
Non-Hodgkin lymphomas	1.0	0.1	1.2	0.1	1.6	0.1	4.8	0.4	3.8	0.1	0.0	8.6	0.2	0.1
Leukemias	10.4	0.8	8.2	0.6	12.2	0.9	10.4	0.8	30.8	0.8	0.1	41.2	0.8	0.1
Acute lymphocytic leukemia	2.2	0.2	4.8	0.4	5.2	0.4	3.4	0.3	12.2	0.3	0.1	15.6	0.3	0.1

Rates are per 100,000 children. Rates for 0-14 and 0-19 year age intervals are age-adjusted within these intervals to the 2000 US standard population, with 95% confidence intervals. Rates based on fewer than 4 deaths per year are unstable and should be used with caution.

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Table 7b. Cancer Mortality among Children and Adolescents, 1999-2003

New York City

Type of Cancer	Ages 0-4 years		Ages 5-9 years		Ages 10-14 years		Ages 15-19 years		Combined Ages 0-14 years			Combined Ages 0-19 years		
	Average Annual Deaths	Rate per 100,000	Average Annual Deaths	Rate per 100,000	95% CI (+/-)	Average Annual Deaths	Rate per 100,000	95% CI (+/-)						
All Invasive Malignant Tumors	12.4	2.3	15.4	2.8	12.8	2.4	17.8	3.5	40.6	2.5	0.3	58.4	2.8	0.3
Bones & joints	0.0	0.0	0.6	0.1	1.2	0.2	2.4	0.5	1.8	0.1	0.1	4.2	0.2	0.1
Soft tissue (including heart)	1.4	0.3	1.4	0.3	0.6	0.1	1.0	0.2	3.4	0.2	0.1	4.4	0.2	0.1
Kidney and renal pelvis	0.2	0.0	1.0	0.2	0.2	0.0	0.2	0.0	1.4	0.1	0.1	1.6	0.1	0.1
Malignant brain / nervous system	2.8	0.5	5.0	0.9	3.4	0.6	2.2	0.4	11.2	0.7	0.2	13.4	0.6	0.2
Hodgkin lymphoma	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.2	0.0	0.0
Non-Hodgkin lymphomas	0.0	0.0	0.0	0.0	0.6	0.1	3.2	0.6	0.6	0.0	0.0	3.8	0.2	0.1
Leukemias	3.2	0.6	4.6	0.8	5.6	1.1	4.2	0.8	13.4	0.8	0.2	17.6	0.8	0.2
Acute lymphocytic leukemia	1.0	0.2	2.8	0.5	2.6	0.5	1.4	0.3	6.4	0.4	0.1	7.8	0.4	0.1

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Table 7b. Cancer Mortality among Children and Adolescents, 1999-2003

New York State Excl New York City

Type of Cancer	Ages 0-4 years		Ages 5-9 years		Ages 10-14 years		Ages 15-19 years		Combined Ages 0-14 years			Combined Ages 0-19 years		
	Average Annual Deaths	Rate per 100,000	Average Annual Deaths	Rate per 100,000	95% CI (+/-)	Average Annual Deaths	Rate per 100,000	95% CI (+/-)						
All Invasive Malignant Tumors	26.0	3.8	13.6	1.8	19.2	2.4	22.6	2.9	58.8	2.7	0.3	81.4	2.7	0.3
Bones & joints	0.4	0.1	1.2	0.2	1.4	0.2	4.2	0.5	3.0	0.1	0.1	7.2	0.2	0.1
Soft tissue (including heart)	0.8	0.1	0.6	0.1	1.8	0.2	2.8	0.4	3.2	0.1	0.1	6.0	0.2	0.1
Kidney and renal pelvis	0.2	0.0	0.8	0.1	0.6	0.1	0.4	0.1	1.6	0.1	0.0	2.0	0.1	0.0
Malignant brain / nervous system	4.6	0.7	2.8	0.4	5.2	0.7	3.0	0.4	12.6	0.6	0.1	15.6	0.5	0.1
Hodgkin lymphoma	0.0	0.0	0.2	0.0	0.2	0.0	0.8	0.1	0.4	0.0	0.0	1.2	0.0	0.0
Non-Hodgkin lymphomas	1.0	0.1	1.2	0.2	1.0	0.1	1.6	0.2	3.2	0.1	0.1	4.8	0.2	0.1
Leukemias	7.2	1.1	3.6	0.5	6.6	0.8	6.2	0.8	17.4	0.8	0.2	23.6	0.8	0.1
Acute lymphocytic leukemia	1.2	0.2	2.0	0.3	2.6	0.3	2.0	0.3	5.8	0.3	0.1	7.8	0.3	0.1

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Table 7c. Childhood Cancer Incidence by County, 1999-2003

County	Average Annual Cases by Age Group				Combined 0-19 years			County	Average Annual Cases by Age Group				Combined 0-19 years		
	0-4 years	5-9 years	10-14 years	15-19 years	Avg. Ann. Cases	Rate per 100,000	95% CI (+/-)		0-4 years	5-9 years	10-14 years	15-19 years	Avg. Ann. Cases	Rate per 100,000	95% CI (+/-)
New York State	281.6	156.6	183.0	272.2	893.4	17.4	0.5	Nassau	22.6	14.6	11.6	24.0	72.8	20.8	2.1
New York City	121.4	62.0	74.8	103.8	362.0	17.0	0.8	Niagara	3.4	2.6	1.0	4.8	11.8	20.3	5.2
New York State Excl NYC	160.2	94.6	108.2	168.4	531.4	17.7	0.7	Oneida	2.6	1.4	1.4	2.4	7.8	12.9	4.1
Bronx	20.6	12.6	13.6	15.8	62.6	14.3	1.6	Onondaga	6.2	3.6	2.4	5.8	18.0	13.9	2.9
Kings (Brooklyn)	39.4	19.6	25.0	35.4	119.4	16.6	1.3	Ontario	0.8	0.2	1.0	1.2	3.2	11.5	5.7
New York (Manhattan)	21.0	11.2	13.6	15.2	61.0	20.3	2.3	Orange	5.8	4.0	4.6	7.4	21.8	20.2	3.8
Queens	33.6	14.8	18.8	30.0	97.2	17.6	1.6	Orleans	0.8	0.4	0.2	0.0	1.4	12.4	9.2
Richmond (Staten Island)	6.8	3.8	3.8	7.4	21.8	18.0	3.4	Oswego	1.0	0.6	1.8	2.8	6.2	16.5	5.9
Albany	3.0	2.0	2.2	3.6	10.8	14.1	3.8	Otsego	0.8	0.4	0.6	1.4	3.2	19.0	9.8
Allegany	0.8	0.8	0.2	1.0	2.8	19.7	10.7	Putnam	1.0	0.6	1.0	2.0	4.6	17.5	7.2
Broome	2.4	1.4	2.0	3.4	9.2	17.3	5.1	Rensselaer	2.6	0.6	1.4	2.4	7.0	17.2	5.7
Cattaraugus	2.0	1.0	1.2	1.0	5.2	22.4	8.7	Rockland	6.8	2.6	3.0	5.0	17.4	20.1	4.2
Cayuga	0.8	0.6	0.8	0.8	3.0	13.6	6.9	St. Lawrence	1.0	0.8	0.4	1.0	3.2	10.8	5.4
Chautauqua	1.0	0.4	1.0	2.2	4.6	11.6	4.8	Saratoga	2.4	1.2	2.4	3.0	9.0	16.5	4.8
Chemung	1.6	0.6	0.4	1.6	4.2	17.5	7.5	Schenectady	1.0	1.0	2.0	1.8	5.8	14.8	5.4
Chenango	1.0	0.4	0.4	0.6	2.4	17.8	10.1	Schoharie	0.6	0.2	0.4	0.4	1.6	19.4	13.8
Clinton	0.2	1.0	1.2	1.0	3.4	15.8	7.6	Schuyler	0.4	0.2	0.0	0.6	1.2	22.8	18.4
Columbia	0.8	0.4	1.0	1.2	3.4	20.8	10.0	Seneca	0.2	0.0	0.4	1.4	2.0	22.1	13.8
Cortland	1.4	0.0	0.2	1.6	3.2	22.3	11.2	Steuben	0.8	1.0	0.8	0.8	3.4	12.5	6.0
Delaware	0.6	0.2	0.4	1.8	3.0	23.0	11.9	Suffolk	26.0	14.0	17.2	21.0	78.2	19.6	1.9
Dutchess	4.2	1.8	2.4	3.4	11.8	15.3	3.9	Sullivan	0.8	1.2	1.4	1.2	4.6	22.9	9.4
Erie	11.2	8.2	9.8	13.4	42.6	17.1	2.3	Tioga	1.2	0.2	0.4	0.6	2.4	16.9	9.6
Essex	0.8	0.0	0.2	0.6	1.6	17.9	12.5	Tompkins	0.4	1.2	0.8	1.2	3.6	15.0	7.4
Franklin	0.6	0.2	1.0	0.8	2.6	20.2	11.1	Ulster	2.4	1.2	1.6	2.4	7.6	16.9	5.4
Fulton	0.8	0.8	0.6	0.2	2.4	17.0	9.6	Warren	0.8	0.0	0.8	0.2	1.8	11.2	7.4
Genesee	0.4	0.4	1.2	0.6	2.6	15.2	8.3	Washington	0.4	0.2	0.4	1.0	2.0	12.2	7.6
Greene	0.6	0.0	0.2	0.2	1.0	9.1	8.1	Wayne	0.8	1.4	1.0	1.8	5.0	18.3	7.2
Herkimer	0.8	0.2	0.8	1.0	2.8	16.8	8.9	Westchester	14.6	10.0	7.2	14.0	45.8	18.5	2.4
Jefferson	2.0	0.6	1.0	1.8	5.4	16.4	6.2	Wyoming	0.4	0.6	0.4	0.6	2.0	18.1	11.3
Lewis	0.2	0.8	0.4	0.8	2.2	27.4	16.3	Yates	0.6	0.6	0.2	0.4	1.8	25.1	16.5
Livingston	1.6	0.2	0.8	1.2	3.8	22.3	10.3								
Madison	1.4	0.4	1.0	1.4	4.2	20.9	9.1								
Monroe	10.4	4.8	9.0	10.0	34.2	16.6	2.5								
Montgomery	0.2	0.8	1.0	0.6	2.6	19.7	10.7								

Rates are per 100,000 children, age-adjusted within the 0-19 year age interval to the 2000 US standard population, with 95% confidence intervals. Rates based on fewer than 4 cases per year are unstable and should be used with caution. Incidence data provisional, January 2006.